



Gill, D., Sheehan, N., Wielscher, M., Nick, S., Amaral, A., Thompson, J., Granell, R., Leynaert, B., Gómez Real, F., Hall, I., Tobin, M., Auvinen, J., Ring, S., Jarvelin, M-R., Wain, L. V., Henderson, J., Jarvis, D., & Minelli, C. (2017). Age at menarche and lung function: a Mendelian randomization study. *European Journal of Epidemiology*. <https://doi.org/10.1007/s10654-017-0272-9>

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Supplementary Table 2. Evidence of association ($p < 5 \times 10^{-8}$) of the 122 SNPs and SNPs highly correlated with them ($LD\ r^2 > 0.8$) with secondary phenotypes. Information retrieved using the PhenoScanner, available at: www.phenoscanter.medschl.cam.ac.uk/phenoscanter (1). Chr: chromosome.

SNP	Chr: Position	Gene	Secondary phenotypes
rs10144321	14:100416068	WDR25	/
rs1038903	4:28750432		/
rs10423674	19:18707093	CRTC1	/
rs10453225	9:106157939		Height (2)
rs10739221	9:106298549		/
rs10789181	1:65350884	DNAJC6	/
rs1079866	7:41430495		/
rs10816359	9:105995389		/
rs10895140	11:101565990	TRPC6	/
rs10938397	4:45180510		Body Mass Index (3-9) Hip circumference (10) Obesity (8) Waist circumference (5, 10) Weight (5)
rs10980854	9:111288077		/
rs10980921	9:111517632		Height (2)
rs11022756	11:13293892	ARNTL	/
rs11165924	1:97909892	DPYD	/
rs11215400	11:115181915	CADM1	/
rs1129700	16:29906713	ASPHD1, KCTD13	/
rs11578152	1:102111465		/
rs11715566	3:117843589		/
rs11767400	7:122520688	CADPS2	/
rs11792861	9:109047015	MIR32, TMEM245	/
rs12148769	15:23906947		/
rs12446632	16:19924067		BMI (4-8) Hip circumference (10) Obesity (8) Waist circumference (10) Weight (5, 8)
rs12472911	2:141470940	LRP1B	/
rs1254337	14:60453807	C14orf39	Height (2, 5, 8, 11)
rs12571664	10:119949417		/
rs12607903	18:3817134	DLGAP1	/
rs12915845	15:88499236		/
rs13053505	22:38849613		/
rs13067731	3:137271149		Height (2)
rs13135934	4:94286537	SMARCA1	/
rs13179411	5:134564823	JADE2	/
rs13196561	6:100312294		/
rs1324913	13:74061451	KLF12	/
rs1364063	16:69554669		Height (2)
rs1400974	2:198773966		/
rs1461503	11:122974367		Height (2)
rs1469039	8:139639536	KCNK9	/
rs1532331	5:43116728		/
rs16860328	3:185917897	TRA2B	Height (2)

SNP	Chr: Position	Gene	Secondary phenotypes
rs16896742	6:29954963		Rheumatoid arthritis (12)
rs16918254	8:52856653		/
rs16918636	11:29102635		/
rs17086188	5:96510150		/
rs17171818	5:138389314	KDM3B	/
rs17233066	2:198779314		/
rs17236969	2:155895947		/
rs17266097	2:199410486	SATB2	/
rs1874984	10:1689677	ADARB2	/
rs1915146	10:125157645	CTBP2	/
rs1958560	14:65570077	FUT8	Glycosylation of immunoglobulin G (13)
rs2063730	11:78337478	GAB2	/
rs2137289	18:47225754	SKOR2	/
rs2153127	6:104900669		Height (2, 5)
rs2274465	1:43655886	KDM4A	/
rs239198	6:100686201	ASCC3	/
rs244293	17:55153361	STXBP4	/
rs246185	16:14301575	MIR193BHG	Height (2, 11, 14-16) Puberty onset genital enlargement (17) QT interval (18)
rs2479724	6:41923244	BYSL	Height (2) Mean corpuscular haemoglobin (19) Mean corpuscular volume (19)
rs251130	5:111524099	STARD4-AS1	/
rs2600959	3:132896620		/
rs268067	2:59653910		/
rs2687729	3:128176383	EEFSEC	Hypospadias (20)
rs2688325	8:3909688	CSMD1	/
rs2836950	21:39232503	BRWD1	/
rs2947411	2:614168		Body fat percentage (21) BMI (4-8) Hip circumference (10) Obesity (8, 22) Overweight (5, 8) Waist circumference (5, 10)
rs3101336	1:72285502		BMI (4-8, 23, 24) Hip circumference (10) Obesity (8, 24) Overweight (5, 8, 23) Waist circumference (10)
rs3733631	4:103719946	TACR3	/
rs3743266	15:60489314	RORA-AS1, RORA	/
rs4369815	2:156270452		/
rs466639	1:165425645	RXRG	/
rs4756059	11:46129068		/
rs4840086	6:99760562		/
rs4875053	8:143790241		/
rs4895808	6:126460288	CENPW	Height (2, 5, 8, 11)
rs4929947	11:8618447	TRIM66	BMI (6, 7) Obesity (8) Waist circumference (10)
rs543874	1:177920345		Body fat percentage (21) BMI (4-9, 25, 26)

SNP	Chr: Position	Gene	Secondary phenotypes
			Hip circumference (10) Obesity (4, 8, 24) Overweight (4, 5, 8) Waist circumference (5, 10)
rs6009583	22:49281720		/
rs6427782	1:199829211		/
rs652260	19:7835676	EVI5L	/
rs6555855	5:169322733		/
rs6563739	13:39665648	COG6, MIR4305	Rheumatoid arthritis (27)
rs6747380	2:56360614	CCDC85A	/
rs6758290	2:105248369		/
rs6762477	3:50055776	RBM6	Ulcerative colitis (28)
rs6770162	3:24669522		/
rs6933660	6:151482619		/
rs6938574	6:128069835	PTPRK	/
rs6964833	7:74687575	GTF2I	/
rs7037266	9:6942940	KDM4C	/
rs7103411	11:27678578	BDNF-AS, BDNF	BMI (4-7) Hip circumference (10) Obesity (8) Overweight (5, 8) Waist circumference (10)
rs7104764	11:229977	SIRT3	/
rs7138803	12:49853685		BMI (4-8, 23, 25) Hip circumference (10) Obesity (4, 8, 22-24) Overweight (4, 5, 23) Waist circumference (10)
rs7141210	14:100716133		/
rs7215990	17:6131511		/
rs7463166	8:4976268	CSMD1	Height (2)
rs7514705	1:74541036	FPGT-TNNI3K, TNNI3K	BMI (4-7) Hip circumference (10) Overweight (5) Waist circumference (10)
rs7642134	3:86867732		/
rs7647973	3:49473498	DAG1	/
rs7701886	5:154167849		BMI (26)
rs7759938	6:104931079		Height (2, 5, 8, 11, 14-16, 29-31) Pubertal anthropometrics (30)
rs7821178	8:77181601		Height (2)
rs7828501	8:4702559	CSMD1	/
rs7853970	9:84100651		/
rs7865468	9:10274080	PTPRD	/
rs7955374	12:47486366		/
rs8032675	15:67667126	MAP2K5	BMI (5, 6) Obesity (8)
rs8050136	16:53782363	FTO	Adiposity (32) BMI (4-8, 23, 33-36) Body fat percentage (21, 32) Body weight (23) Diabetes mellitus type 2 (6, 34, 37-43) Fasting insulin (44) Hip circumference (10)

SNP	Chr: Position	Gene	Secondary phenotypes
			Obesity (8, 22, 33, 36, 45) Overweight (5, 8, 23) Waist circumference (5, 10, 35, 46) Waist to hip ration (5, 10)
rs852069	20:17141948		/
rs889122	19:9885191	OLFM2	/
rs900400	3:157080986		Birth weight (47, 48) Gestational age (48) New born fat mass (49) Ponderal index (47, 48) Waist hip ratio (10)
rs913588	9:7174673	KDM4C	/
rs929843	16:70011845	PDXDC2P	/
rs9321659	6:99668216		/
rs939317	3:184328011	EIF4G1	/
rs9447700	6:76458369		/
rs9475752	6:56915943	DST	/
rs951366	1:205716224	NUCKS1	/
rs9560113	13:111531001		/
rs9635759	17:51536424		/
rs9647570	5:167943258	TENM2	/
rs9849248	3:88192124		/
rs988913	6:54891510	FAM83B	/

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